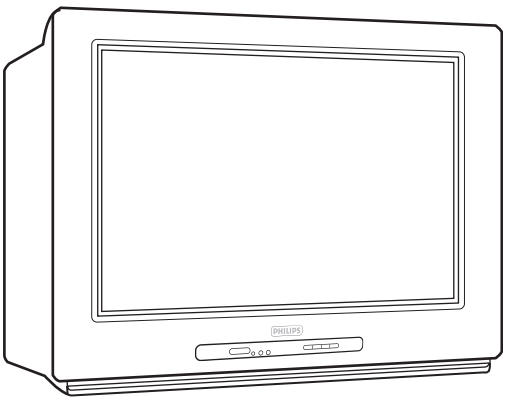
Real Flat Television

User Manual

21PT2217
21PT2327



PHILIPS

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Recycling Directive – To minimise harm to the environment, the batteries supplied with the TV set do not contain mercury or nickel cadmium. If possible, when disposing of batteries, use recycling means available to you. Your TV set uses materials which are reusable or which can be recycled. To minimise the amount of waste in the environment, specialist companies recover used sets for dismantling and collection of reusable materials (contact your dealer).

SAFETY INFORMATION AND TIPS

Safety information

• remove mains plug when :
– the red light below the TV screen is flashing continuously.
– a bright white line is displayed across the screen.
– cleaning the TV screen. Never use abrasive cleaning agents such as scouring powder. Use a slightly damp chamois leather or soft cloth.
– there is a lightning storm.
– the set is left unattended for a long period of time.

• No naked flame sources, such as lighted candles, should be placed on top of the TV or in the vicinity.

• Do not place your TV set under direct sunlight or heat.

• Leave at least 5 cm around each side of TV set to allow for proper ventilation.

• Avoid placing your set (e.g. near the window) where it is likely to be exposed to rain or water.

• No objects filled with liquids should be placed on top the TV so as to avoid dripping or splashing of liquids on the set.

Tips

• Do not leave your set on standby mode for a prolonged period of time. Switch off set to allow it to be demagnetised. A demagnetised set supports good picture quality.

• Do not shift or move the set around when it is switched on. This will result in unevenness in colour in some parts of the screen.

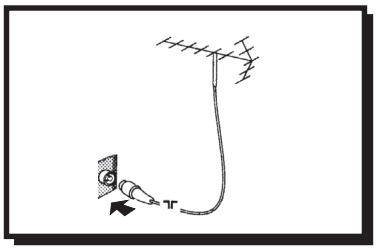
• Never try to repair a faulty TV yourself. Always check with a skilled service personnel.

BEFORE CALLING CUSTOMER SERVICE

Below is a list of frequently occurred symptoms. Before you call for service, make these simple checks. Some of these symptoms can easily be rectified if you know what to do.

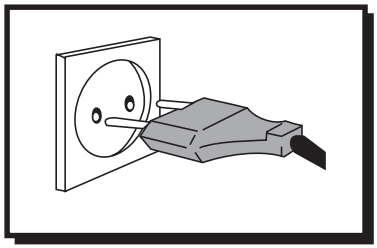
Symptoms	What you should do
Colour patch (unevenness)	- Switch off the TV from the mains power button. Wait for 20 minutes before switching on again. - Check the TV is not placed too near speakers or magnetic objects.
No power	- Check the TV's AC power cord is plugged into the mains socket. If there is still no power, remove the plug. Wait for 60 seconds and re-insert plug. Switch on the TV again.
No picture	- Check the antenna connection at the rear of the TV. - Possible TV station problem. Try another channel.
Good picture but no sound	- Try increasing the volume. - Check that the sound is not turned off. If it is turned off, press the **Mute** button on the remote control to restore sound.
Good sound but poor colour or no picture	- Try increasing the contrast and brightness setting.
Snowy picture and noise	- Check antenna connection at the rear of the TV.
Horizontal dotted lines	- Possible electrical interference e.g. hairdryer, vacuum cleaner, etc. Switch off appliances.
Double images or "Ghost" images	- Possible poor positioning of antenna. Use of a highly directional antenna may improve reception.
TV not responding to remote remote control	- Check life span of batteries of remote control handset. - Aim remote control directly at remote sensor lens on the front panel of the TV.

GETTING STARTED



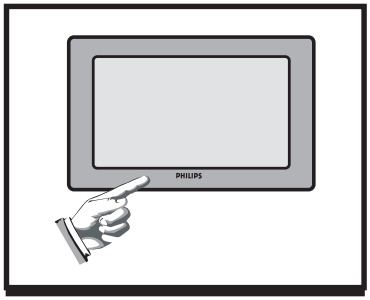
Connecting the antenna
- Connect the aerial plug to the antenna socket on the backcover.

- Insert the mains plug into the wall socket.



Connecting the mains
- For correct mains voltage, refer to type sticker at the rear of the TV set

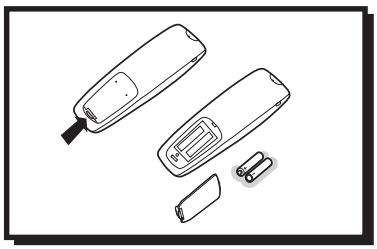
- Consult your dealer if mains supply is different.
  Note : This diagram is not representative of the actual plug and socket.



Switching on the set
- Press the main power button to switch on/ off the TV.

- If the set is on standby (indicator is lit), press the Power button on the remote control to switch on set.

Disconnecting from the mains
- The mains switch ⏻ on the TV is used as a disconnecting device.

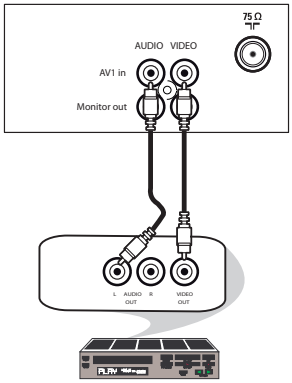


Installing the remote control batteries
- Insert the correct type of batteries into the compartment.

- Ensure the batteries are placed in the right direction.

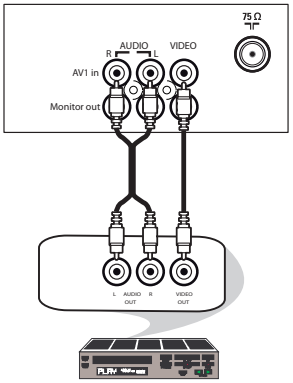
CONNECTING AUDIO/VIDEO (PLAYBACK)

Connection for viewing VCRs



AV sockets on rear of TV

Back of VCR (with Video and Audio output sockets)



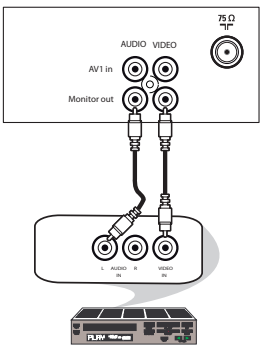
For Stereo models only.

You can view the playback of VCR tapes (Video Disc players, camcorders, etc.) by using the AUDIO and VIDEO INPUT sockets on the rear of the TV.

– Connect the video and audio RCA cables from the VIDEO and AUDIO IN on the rear of the TV to the AUDIO and VIDEO OUT of the VCR.

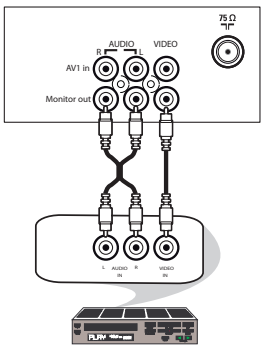
CONNECTING AUDIO/VIDEO (RECORDING)

Connection for recording from the TV channel to VCR



AV sockets on the rear of TV

Back of VCR (with Video and Audio input sockets)

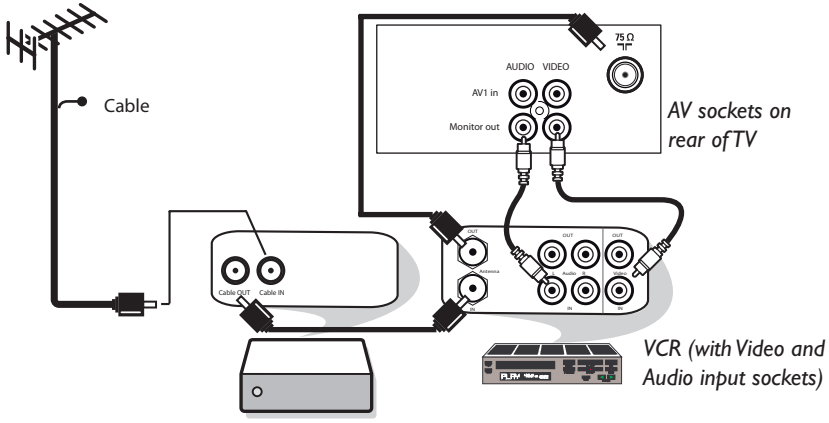


For Stereo models only.

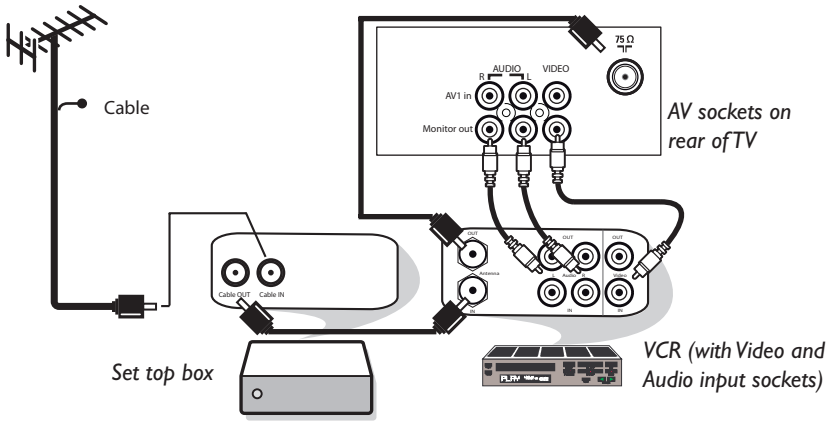
– Connect the video and audio RCA cables from the VIDEO and AUDIO IN sockets of the VCR to the MONITOR OUT on the rear of the TV.

CONNECTING AUDIO/VIDEO (RECORDING)

Connection for recording from cable TV to VCR

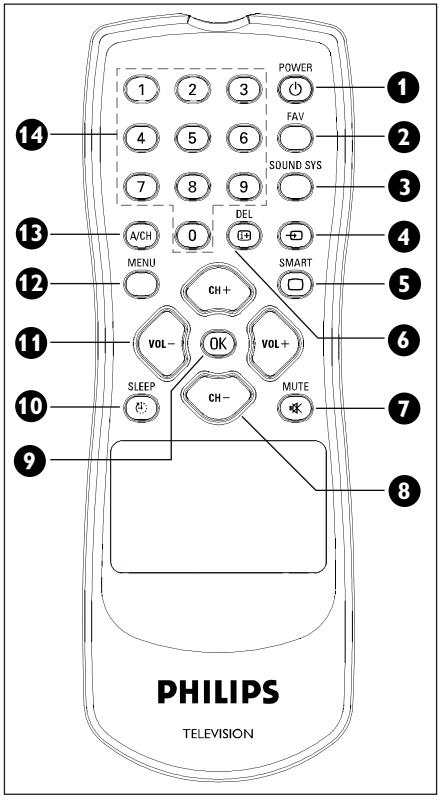


For Stereo models only.



– Connect the RF cable from the OUTput of the set top box to the Antenna IN of the VCR. From the VCR's Antenna OUT, connect the RF cable to the Antenna socket on the rear of the TV.
– Connect the video and audio RCA cables from the VIDEO and AUDIO IN sockets of the VCR to the MONITOR OUT on the rear of the TV.

FUNCTIONS OF THE REMOTE CONTROL

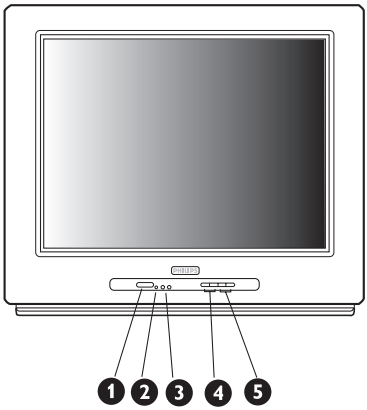


This TV features a full-function remote control. Its compact design is the result of having many of the buttons with multiple functions.

1. **POWER button**
   To turn on the TV or switch it to Standby mode.
2. **FAV button**
   To browse the channels you set in your Favourite list.
3. **SOUND SYS button**
   To directly select a sound system without entering the submenu.
4. **Input button**
   To select an input signal (TV, AV1 or AV2).
5. **SMART PICTURE button**
   To select Personal, Soft, Natural or Rich picture.
6. **DEL / Info button**
   To display information such as channel number, colour system, sound system or the time.
   In Favourite Channel submenu, press to delete the favourite channel number.
7. **MUTE button**
   To turn on or turn off sound.
8. **CH+ / CH- button**
   To select channels in ascending or descending order.
   In menu operation, to highlight a menu item.
9. **OK button**
   To enter submenu or confirm menu operation.
10. **SLEEP button**
    To set sleep timer from 10 to 120 minutes (in 10 minute intervals), cancel sleep timer or display remaining time.
11. **VOL+ / VOL- button**
    To turn up or turn down the sound.
    In menu operation, to adjust the setting for all selected options.
12. **MENU button**
    To display main menu or return to previous screen.
13. **A/CH (Alternate Channel) button**
    To toggle last viewed channel or current channel.
14. **0-9 numeric buttons**
    To directly select TV channel number.

FUNCTIONS OF THE TV CONTROL PANEL

The TV controls are on the front panel just below the screen.



1	Mains Power button	Press to turn on or turn off TV. If TV is in Standby mode, press: - CH ∧ or CH ∨ on the TV front panel or - POWER button on the remote control to turn on TV.
2	Standby light indicator	Indicator is lit when standby mode is activated. To switch TV to Standby mode, press the POWER button on the remote control.
3	Remote Sensor	Acts as a sensor for activating the controls of the TV when remote control handset is aimed at it.
4	Volume + / – buttons	To turn up or turn down the TV sound.
5	Channel ∧ / ∨ buttons	Select channel in descending/ascending order.

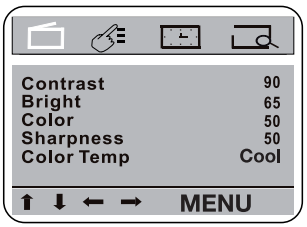
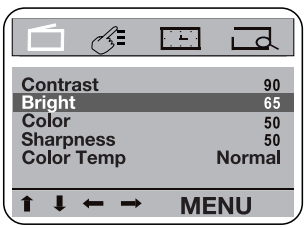
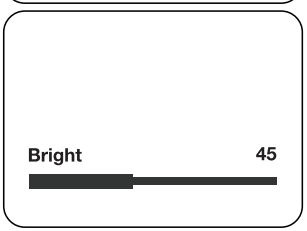
TIP:

- You can enter the main menu by pressing both the Volume + and Volume - buttons at the same time.
- Press the Channel ∧ or ∨ buttons to select the next item on the menu.
- Press Volume + or Volume - button to access sub-menu and adjust the settings.

SELECTING THE MAIN MENU

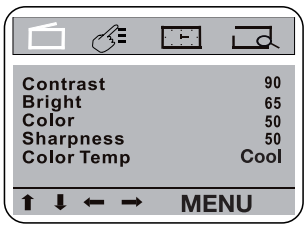
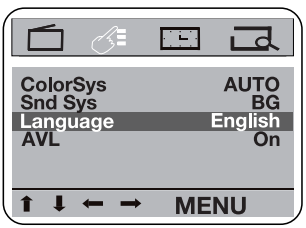
The User Manual explains the operation of the TV set using the buttons on the remote control unless otherwise stated. Please read the following instructions carefully and follow the steps as shown to familiarise yourself with installation and other features available for your TV set.

TIP:
You may encounter instability of the on-screen display when there is no signal input to the TV. When this happens, use the ⏎ button on your remote control to select an AV channel.

Step	Press button		Result on screen
1	**MENU**	Enter main menu. The Picture main menu is always selected by default. The Main Menu (top panel) shows four symbols: Picture, Feature, Timer and Preset. Use the VOL+ or VOL- buttons to select the main menu items. The Submenu (main panel) displays the menus of the selected main menu item. Use the CH+ or CH- to select the submenu items.	
2	**CH+** Or **CH-**	To navigate the submenu items. Example: The Brightness submenu item is selected as shown.	
3	**VOL+** Or **VOL-**	To adjust the individual submenu items. Example: Press repeatedly to adjust the brightness level.	
4	**MENU**	Exit menu from screen.	

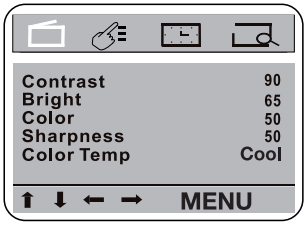
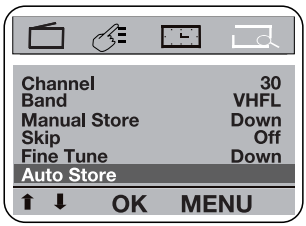
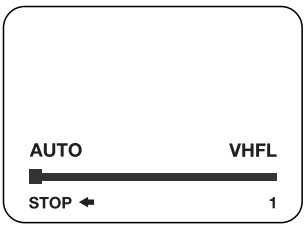
SELECTING YOUR MENU LANGUAGE

The **Language** option lets you set your language for the TV's on-screen display menus.

Step	Press button		Result on screen
1	**MENU**	Enter main menu.	
2	**VOL+** Or **VOL-**	Press repeatedly until the **FEATURE** main menu is selected.	
3	**CH+** Or **CH-**	Press repeatedly until the **Settings** submenu is selected.	
4	**OK**	Enter **Settings** submenu.	
5	**CH+** Or **CH-**	Press repeatedly until the **Language** submenu is selected.	
6	**VOL+** Or **VOL-**	Press repeatedly to toggle between the available languages you want to select.	
7	**MENU**	Exit menu from screen.	

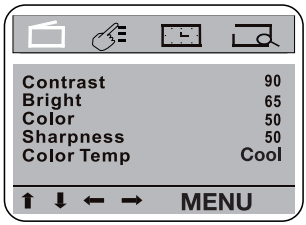
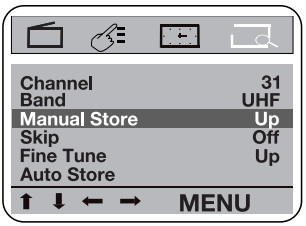
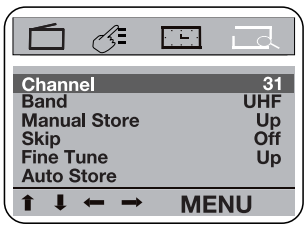
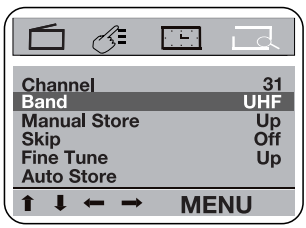
TUNING YOUR CHANNELS AUTOMATICALLY

You can search for all active channels automatically with the **Auto Store** feature.

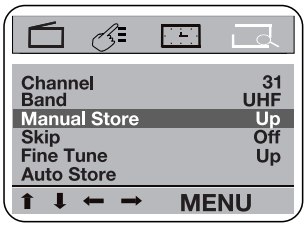
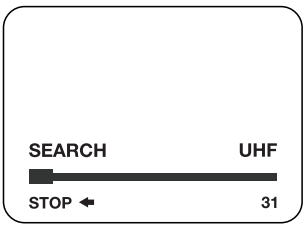
Step	Press button		Result on screen
1	**MENU**	Enter main menu.	
2	**VOL+** Or **VOL-**	Press repeatedly until the **PRESET** main menu is selected.	
3	**CH+** Or **CH-**	Press repeatedly until the **Auto Store** submenu is selected.	
4	**OK**	Auto searching will begin. All available channels found will be stored from number 1 onwards. When all frquency bands have been searched, auto searching will stop. The program of the first searched channel will be displayed.	
5	**VOL-**	To stop auto searching.	
6	**MENU**	Exit menu from screen.	

TUNING YOUR CHANNELS MANUALLY

You can manually search your channel from any frequency band and select your preferred channel number with the **Manual Store** feature.

Step	Press button		Result on screen
1	**MENU**	Enter main menu.	
2	**VOL+** Or **VOL-**	Press repeatedly until **Preset** main menu is selected.	
3	**CH+** Or **CH-**	Press repeatedly until **Channel** submenu is selected.	
4	**VOL+** Or **VOL-**	Press repeatedly to select the **Channel** number. Example: to change to channel nuber 31.	
5	**CH+** Or **CH-**	Press repeatedly until **Band** submenu is selected.	
6	**VOL+** Or **VOL-**	Select the frequency band (VHFL/VHFH/UHF).	

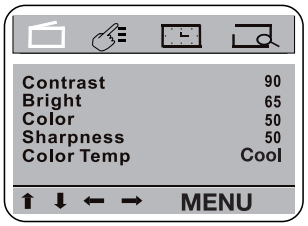
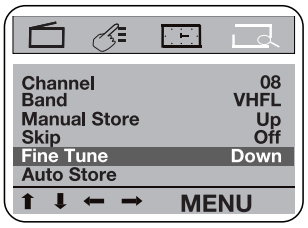
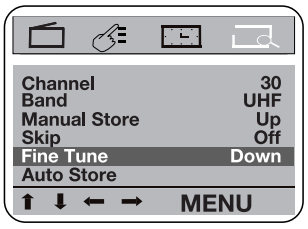
TUNING YOUR CHANNELS MANUALLY

Step	Press button		Result on screen
7	**CH+** Or **CH-**	Press repeatedly until **Manual Store** submenu is selected.	
8	**VOL+** Or **VOL-**	Press **VOL+** to start search upwards or **VOL-** to search downwards from the current position and frequency band.	
9	**VOL+** Or **VOL-**	Press **VOL-** to stop manual searching upwards or **VOL+** to stop manual searching downwards.	
10	**MENU**	Exit menu from screen.	

NOTE:
If the channel searched is not the one you want, restart the search upwards or downwards by pressing **VOL+** or **VOL-** respectively.

FINE TUNING YOUR CHANNELS

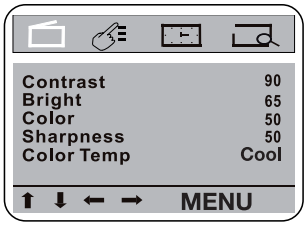
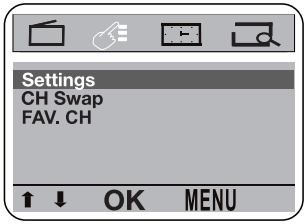
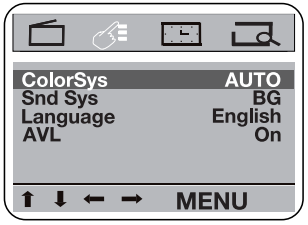
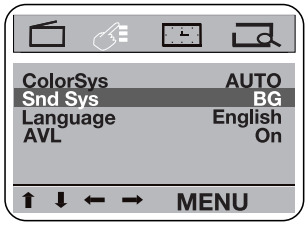
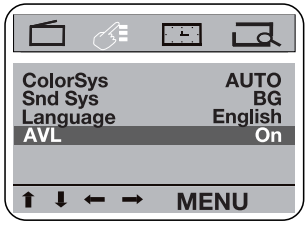
This feature lets you adjust the picture reception in places where the reception is weak.

Step	Press button		Result on screen
1	**MENU**	Enter main menu.	
2	**VOL+** Or **VOL-**	Press repeatedly until the **PRESET** main menu is selected.	
3	**CH+** Or **CH-**	Press repeatedly until **Fine Tune** submenu is selected.	
4	**VOL+** Or **VOL-**	Press **VOL+** to fine tune upwards and **VOL-** to fine tune downwards.	
5	**MENU**	Exit menu from screen.	

CHANGING THE SYSTEM SETTINGS

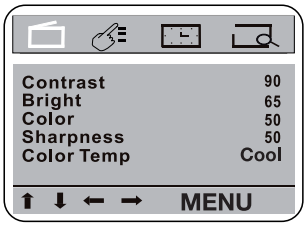
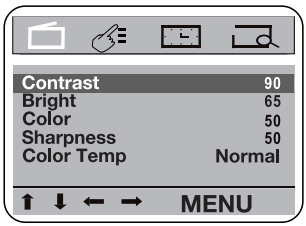
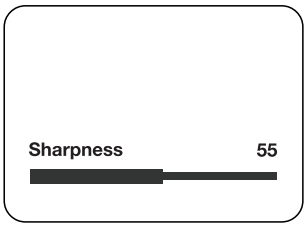
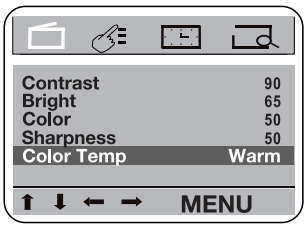
The Settings feature lets you set the colour system, sound system and Auto Volume Level (**AVL**).

AVL enables the volume to remain at a predetermined level to prevent sudden changes in volume levels during commercial breaks or when you are surfing the channels.

Step	Press button		Result on screen
1	**MENU**	Enter main menu.	
2	**VOL+** Or **VOL-**	Press repeatedly until the **FEATURE** main menu is selected.	
3	**CH+** Or **CH-**	Press repeatedly until **Settings** submenu is selected.	
4	**OK**	The **Settings** entries are displayed.	
5	**CH+** Or **CH-**	Press repeatedly to select **ColorSys**, **Snd Sys** or **AVL**.	
6	**VOL+** Or **VOL-**	Press repeatedly to change the settings for: **- ColorSys (AUTO, PAL, or SECAM)** **- Snd Sys (BG, DK or I)** **- AVL (On or Off)**	
7	**MENU**	Exit menu from screen.	

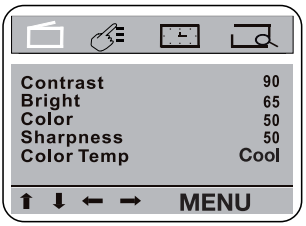
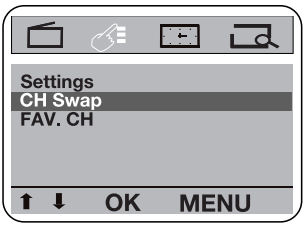
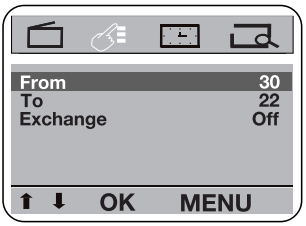
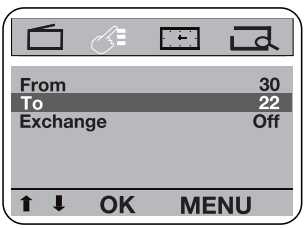
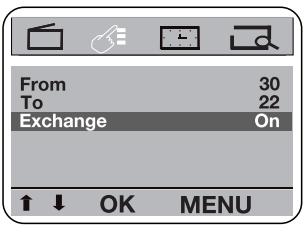
ADJUSTING THE TV PICTURE

The Picture feature lets you fine tune your TV picture such as the contrast, brightness, colour, sharpness and colour temperature.

Step	Press button		Result on screen
1	**MENU**	Enter main menu.	
2	**VOL+** Or **VOL-**	Press repeatedly until the **PICTURE** main menu is selected.	
3	**CH+** Or **CH-**	Press repeatedly to select **Contrast**, **Bright**ness, **Color**, **Sharpness** or **Color Temp**.	
4	**VOL+** Or **VOL-**	Press to increase or decrease levels for **Contrast**, **Bright**ness, **Color** and **Sharpness**.	
5	**VOL+** Or **VOL-**	Press to change settings for **Color Temp (Normal, Warm or Cool)**	
6	**MENU**	Exit menu from screen.	

SWAPPING YOUR TV CHANNELS

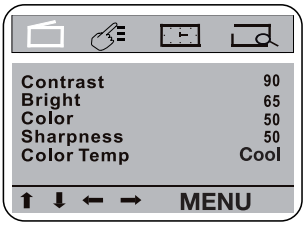
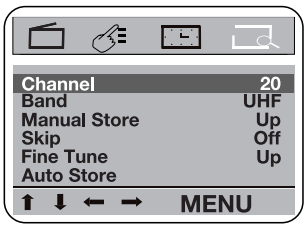
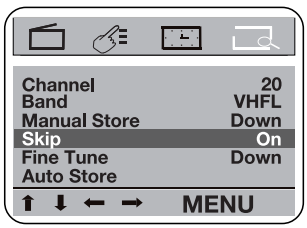
After auto or manual searching of channels, you can reorder the channel numbers using the Channel Swap feature.

Step	Press button		Result on screen
1	**MENU**	Enter main menu.	
2	**VOL+** Or **VOL-**	Press repeatedly until the **FEATURE** main menu is selected.	
3	**CH+** Or **CH-**	Press repeatedly until **CH Swap** submenu is selected.	
4	**OK**	The **CH Swap** entries are displayed.	
5	**CH+** Or **CH-**	Press to select **From**.	
6	**VOL+** Or **VOL-**	Press to select to select the channel you want to change. Example: Channel 30	
7	**CH-**	Press to select **To**.	
8	**VOL+** Or **VOL-**	Press to select to select the channel you want to swap. Example: Channel 22	
9	**CH-**	Press to select **Exchange**.	
10	**OK**	Press to select **On**. Channel 30 is now swapped with channel 22.	
11	**MENU**	Exit menu from screen.	

SKIPPING CHANNELS

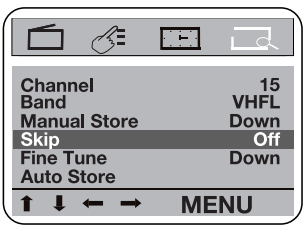
This feature lets you skip or edit channels which have bad or weak TV signal.

NOTE:
Once a channel is skipped, you cannot access it by using the CH+ or CH– buttons or the numeric (0 - 9) buttons on the remote control. You will need to restore the skipped channels first.

Step	Press button		Result on screen
1	**MENU**	Enter main menu.	
2	**VOL+** Or **VOL-**	Press repeatedly until the **PRESET** main menu is selected.	
3	**CH+** Or **CH-**	Press repeatedly until **Channel** submenu is selected.	
4	**VOL+** Or **VOL-**	Press to select channel number to skip. Example: channel 20.	
5	**CH+** Or **CH-**	Press repeatedly until **Skip** submenu is selected.	
6	**VOL+** Or **VOL-**	Press repeatedly until **Skip** is **On**.	
7	**MENU**	Exit menu from screen.	

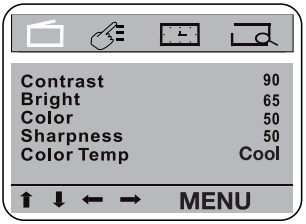
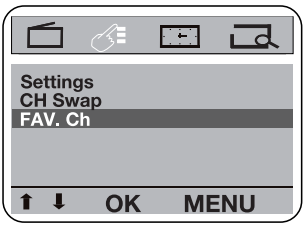
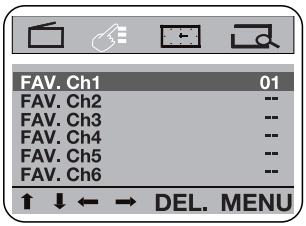
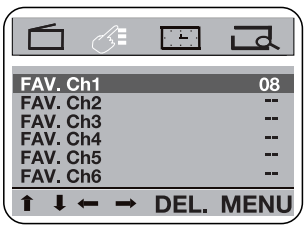
RESTORING SKIPPED CHANNELS

1. Repeat Steps 1 to 5 described above.
2. Press **VOL+** or **VOL-** repeatedly until **Skip** is **Off**. Example: Channel 15 is restored.
3. Press **MENU** to exit.



STORING YOUR FAVOURITE CHANNELS

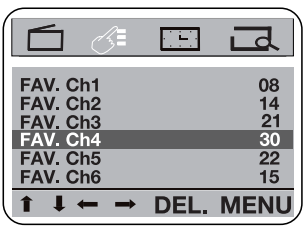
This feature lets you store up to six favourite channels which you can view or browse using the FAV button on the remote control.

Step	Press button		Result on screen
1	**MENU**	Enter main menu.	
2	**VOL+** Or **VOL-**	Press repeatedly until the **FEATURE** main menu is selected.	
3	**CH+** Or **CH-**	Press repeatedly until **FAV. Ch** submenu is selected.	
4	**OK**	The **FAV. Ch** entries are displayed.	
5	**CH+** Or **CH-**	Example: To store channel 8 in your favourite channel 1. Press to select **FAV. Ch1**.	
6	**VOL+** Or **VOL-**	Press repeatedly until **08** is selected. Repeat steps 1 to 4 described above to store the other favourite channels.	
7	**MENU**	Exit menu from screen.	

DELETING YOUR FAVOURITE CHANNELS

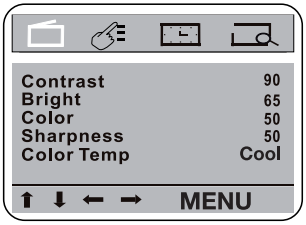
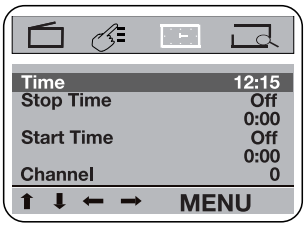
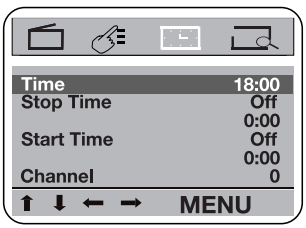
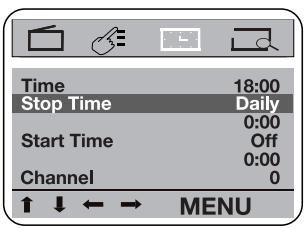
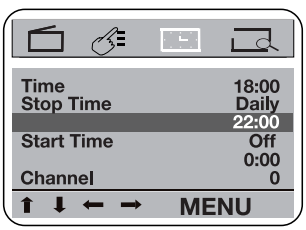
Example: To delete favourite channel 4:

1. Highlight your favourite channel.
2. Press the DEL button on your remote control to delete the favourite channel.

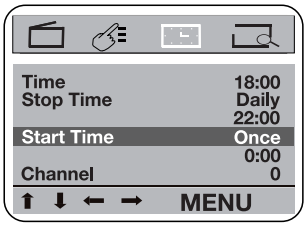
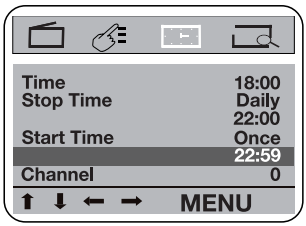
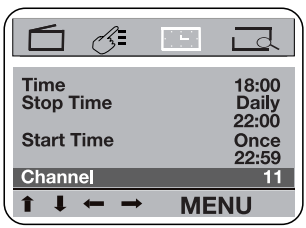


SETTING THE TIMER

The Timer feature lets you program the TV to turn on and turn off at a specific time and channel.

Step	Press button		Result on screen
1	**MENU**	Enter main menu.	
2	**VOL+** Or **VOL-**	Press repeatedly until the **TIMER** main menu is selected.	
3	**VOL+** Or **VOL-**	Example: To set time to 18:00 hrs. Press repeatedly until **Time** is 18:00.	
4	**CH+** Or **CH-**	Example: To set TV to turn off channel 11 at 22:00 hrs everyday. Press repeatedly until **Stop Time** is selected.	
5	**VOL+** Or **VOL-**	Press repeatedly until **Daily** is selected.	
6	**CH-**	Press so that **0:00** is selected.	
7	**VOL+** Or **VOL-**	Press repeatedly until **22:00** is selected.	

SETTING THE TIMER

Step	Press button		Result on screen
8	**CH+** Or **CH-**	Example: To set TV to turn on channel 11 at 22:59 hrs once. Press repeatedly until **Start Time** is selected.	
9	**VOL+** Or **VOL-**	Press repeatedly until **Once** is selected.	
10	**CH-**	Press so that **0:00** is selected.	
11	**VOL+** Or **VOL-**	Press repeatedly until **22:59** is selected.	
12	**CH-**	Press so that **Channel** is selected.	
13	**VOL+** Or **VOL-**	Press repeatedly until **Channel** is set to **11.**	
14	**MENU**	Exit menu from screen.	

NOTE:
You can only enter the **Start Time** using the **VOL+** or **VOL-** buttons. The numeric (0-9) buttons cannot be used to enter **Start Time**.

Off	The Start/Stop Timer will not operate.
Daily	The Start/Stop Timer is set to turn the TV on or off everyday.
Once	The Start/Stop Timer is set to turn the TV on or off only once.
Channel	The channel the TV will display at Start Time.
Stop Time	You should set a time later than that set for **Time**.

SPECIFICATIONS

Product type	21PT2217	21PT2327
Picture		
Display screen type	Real Flat picture tube	
Visible diagonal screen size	51 cm	
Aspect ratio	4:3	
Picture enhancements	Sharpness Adjustment, Black Stretch, Smart Picture	
Sound		
Loudspeakers	2 x 5 W 200 W PMPO (/94)	5 W
Sound system	Eco AV Stereo	Mono
Sound enhancements	Auto Volume Leveller	
Convenience	Sleeptimer, Auto Store, Fine Tuning	
Reception		
TV system	PAL B/G	PAL B/G, PAL D/K, PAL I, SECAM B/G (except /79), SECAM D/K(except /79)
Video playback	NTSC, PAL	
Connectivity		
Rear	AV1: CVBS In; AV2: Monitor Out; Antenna In (75 Ω)	
General		
Mains voltage / frequency	100-240 V, 50/60 Hz	100-240 V, 50/60 Hz (/56); 220-240 V, 50/60 Hz (/69 and /79)
Power consumption	70 W	70 W
Net weight	22 kg	
Gross weight	25 kg	
Set dimensions (W x H x D) mm	532 x 470 x 484	

NOTE: *Specifications subject to change without notice.*

Specifications are subject to change withoutnotice.
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